

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application. No. : 10/782,435 Confirmation No. 6412  
Applicant : Pramod B. Mahajan  
Filed : 02/18/2004  
TC/A.U. : 1638  
Examiner : Ibrahim, Medina Ahmed  
Docket No. : 1121C  
Customer No. : 27310  
Title : RuvB Polynucleotides and Uses Thereof

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Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**AMENDMENT**

In response to the Office Action of August 25, 2004, please amend the above-identified application as follows:

**Amendments to the Specification** begin on page 3 of this paper.

**Amendments to the Claims** are reflected in the listing of claims which begins on page 5 of this paper.

**Remarks/Arguments** begin on page 10 of this paper.

An **Appendix** is attached following page 16 of this paper. **Appendix A** (6 pages) comprises Kurokawa et al. (DNA Sequence 10(1):37-42 1999). **Appendix B** (6 pages) comprises the results of a keyword search of NBI nucleotide database.

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TO: MAIL STOP AMENDMENT  
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FROM: VIRGINIA DRESS

RE: U.S. PATENT APPLICATION SERIAL NO. 10/782,435  
ATTORNEY DOCKET NO. 1121C

DATE: 01/25/05

FAX NUMBER: (703) 872-9306

NUMBER OF PAGES FOLLOWING THIS SHEET: 39

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**TRANSMISSION INCLUDES THE FOLLOWING:**

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Petition for Extension of Time (1 Page)  
Amendment (16 Pages)  
Appendix A, B, and C (20 Pages)

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<b>TRANSMITTAL FORM</b>  (to be used for all correspondence after initial filing)	Application Number	10782,435	
	Filing Date	02/18/2004	
	First Named Inventor	Pramod B. Mahajan	
	Art Unit	1638	
	Examiner Name	Ibrahim, Medina Ahmed	
Total Number of Pages in This Submission	38	Attorney Docket Number	1121C

ENCLOSURES (check all that apply)		
<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input checked="" type="checkbox"/> Amendment / Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input checked="" type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Reply to Missing Parts/Incomplete Application <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____ <input type="checkbox"/> Landscape Table on CD	<input type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): Appendix A, B, and C
Remarks		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT			
Firm	Pioneer Hi-Bred International, Inc.		
Signature	<i>Virginia Dress</i>		
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Serial No. 10/246,581  
Amendment Dated 01/25/2005  
Reply to Office Action Dated 08/25/2004

**Appendix C** comprises a PileUp multiple sequence alignment (3 pages); a HmmerPfam motif analysis; and Bateman *et al.* (Nucleic Acids Res. 28(1):263-266 2000).